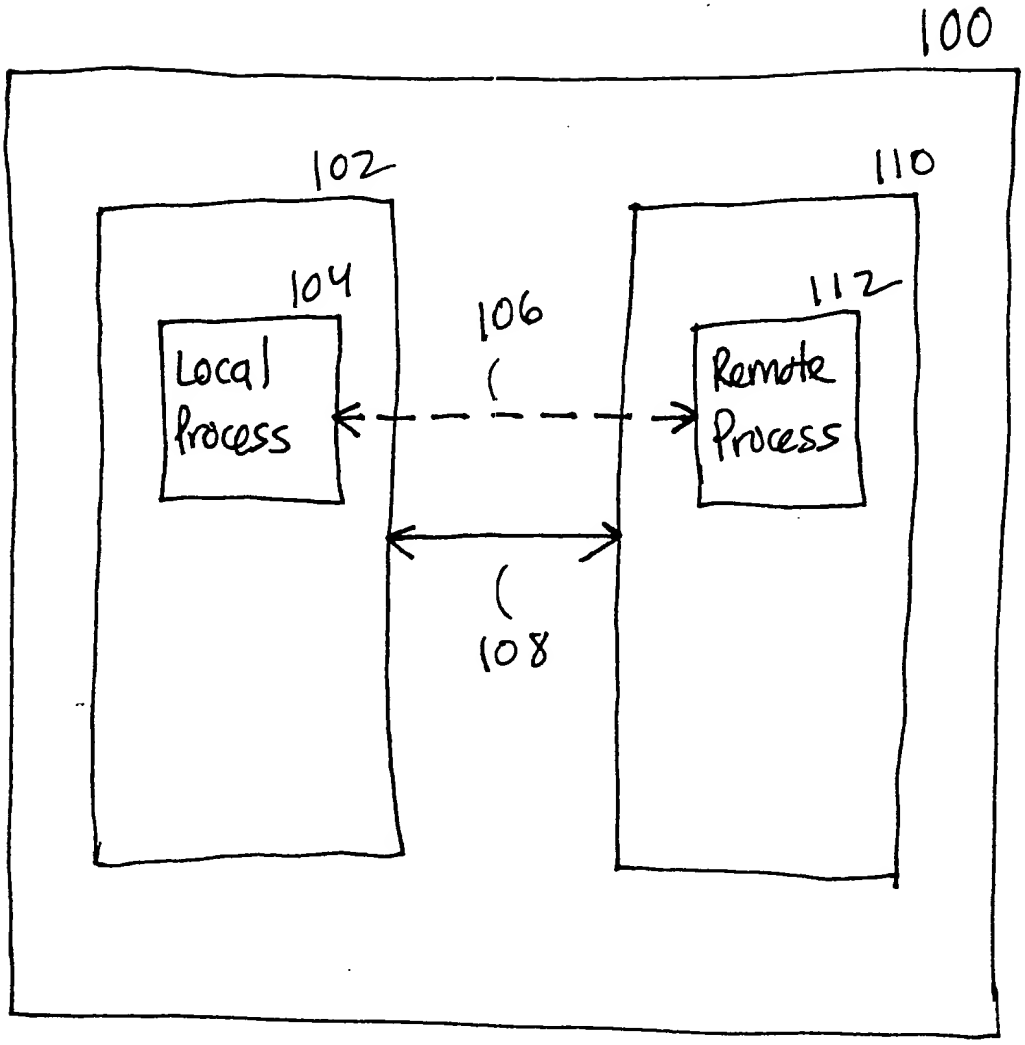

FIG. 1

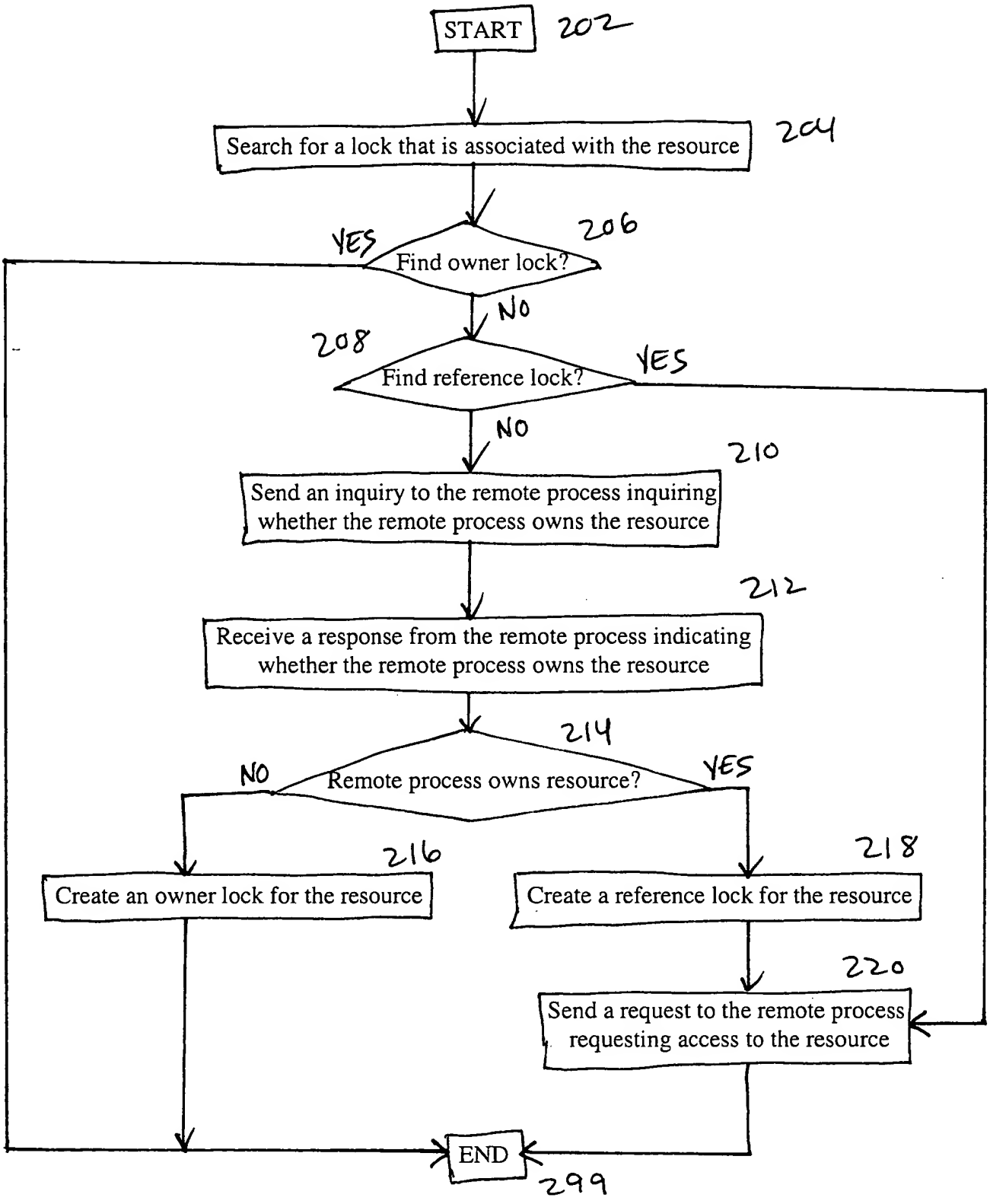

FIG. 2 (200) - ACCESSING A RESOURCE BY A PRIOR ART LOCAL PROCESS

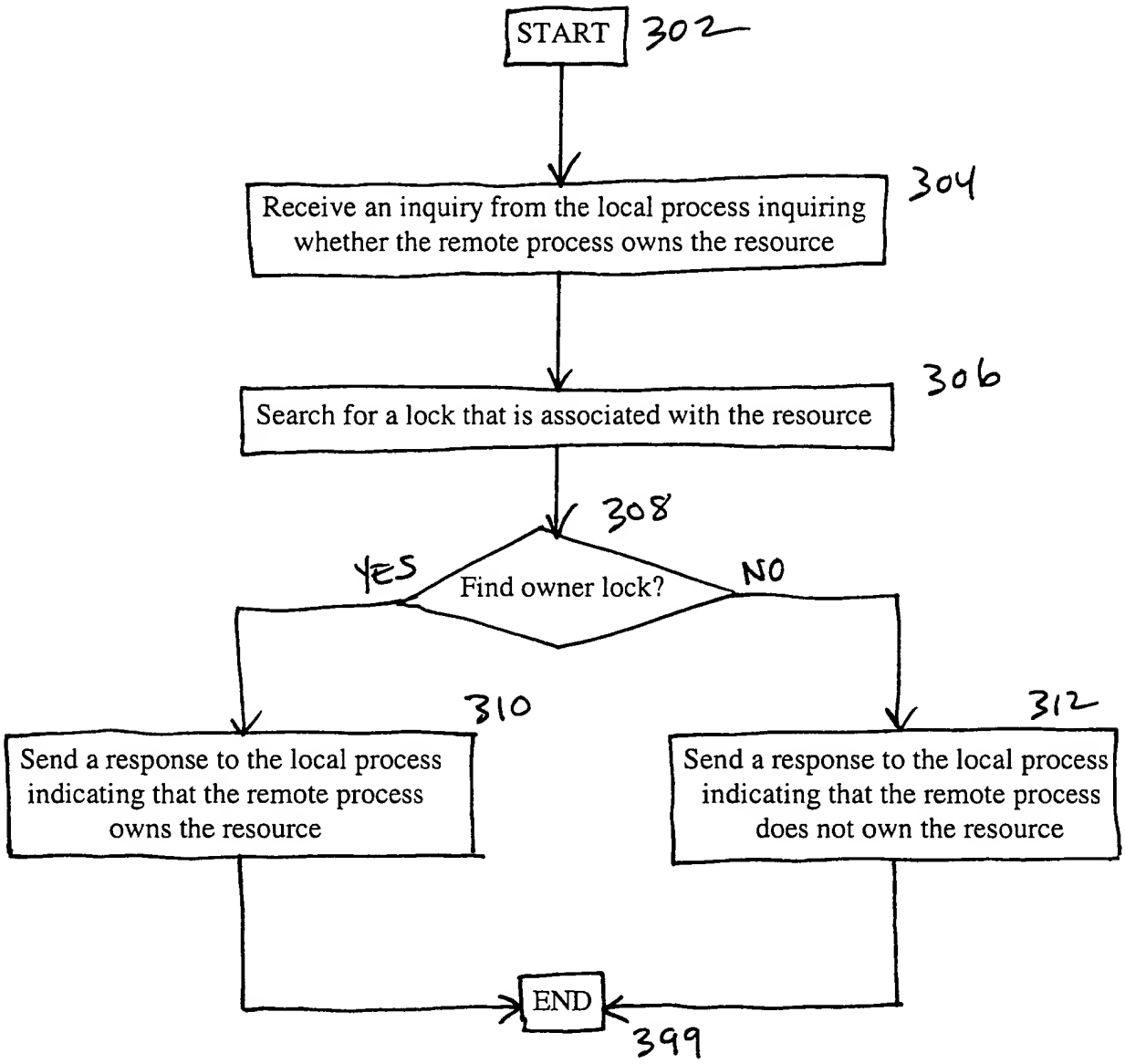

FIG. 3 (300) - PROCESSING AN INQUIRY BY A PRIOR ART REMOTE PROCESS

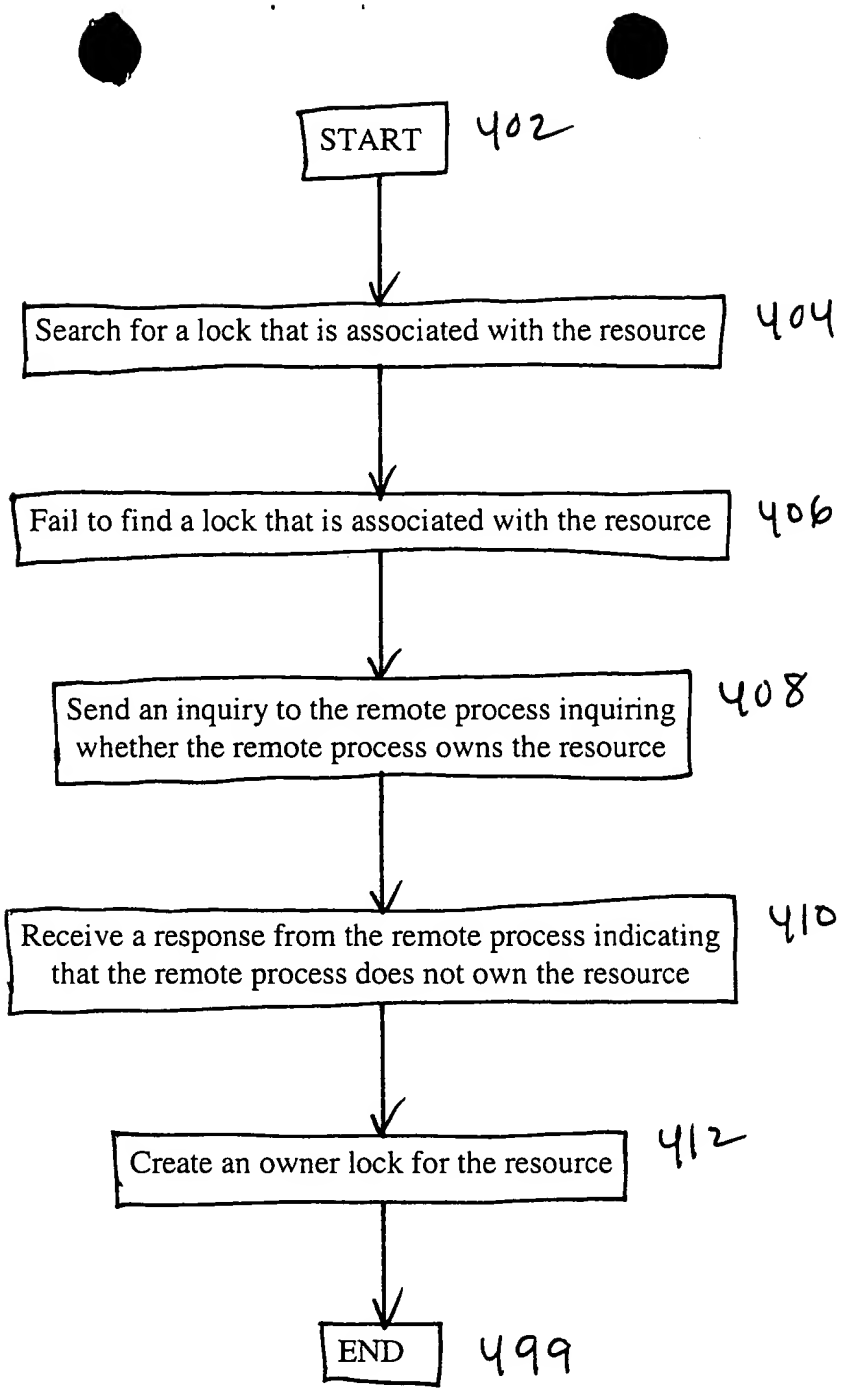

FIG. 4 (400) - CREATING AN OWNER LOCK BY A LOCAL PROCESS

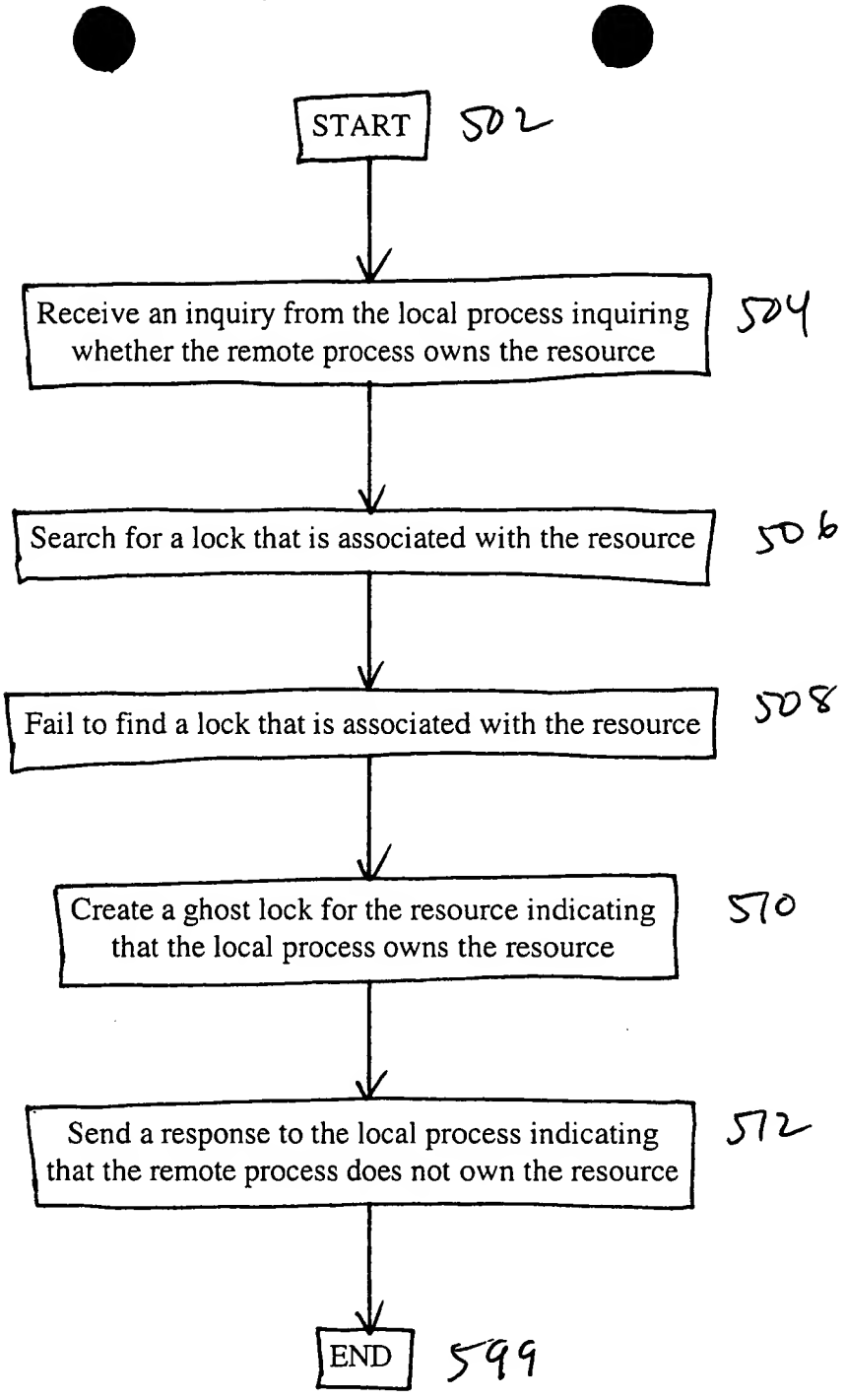

FIG. 5 (500) - CREATING A GHOST LOCK BY A REMOTE PROCESS

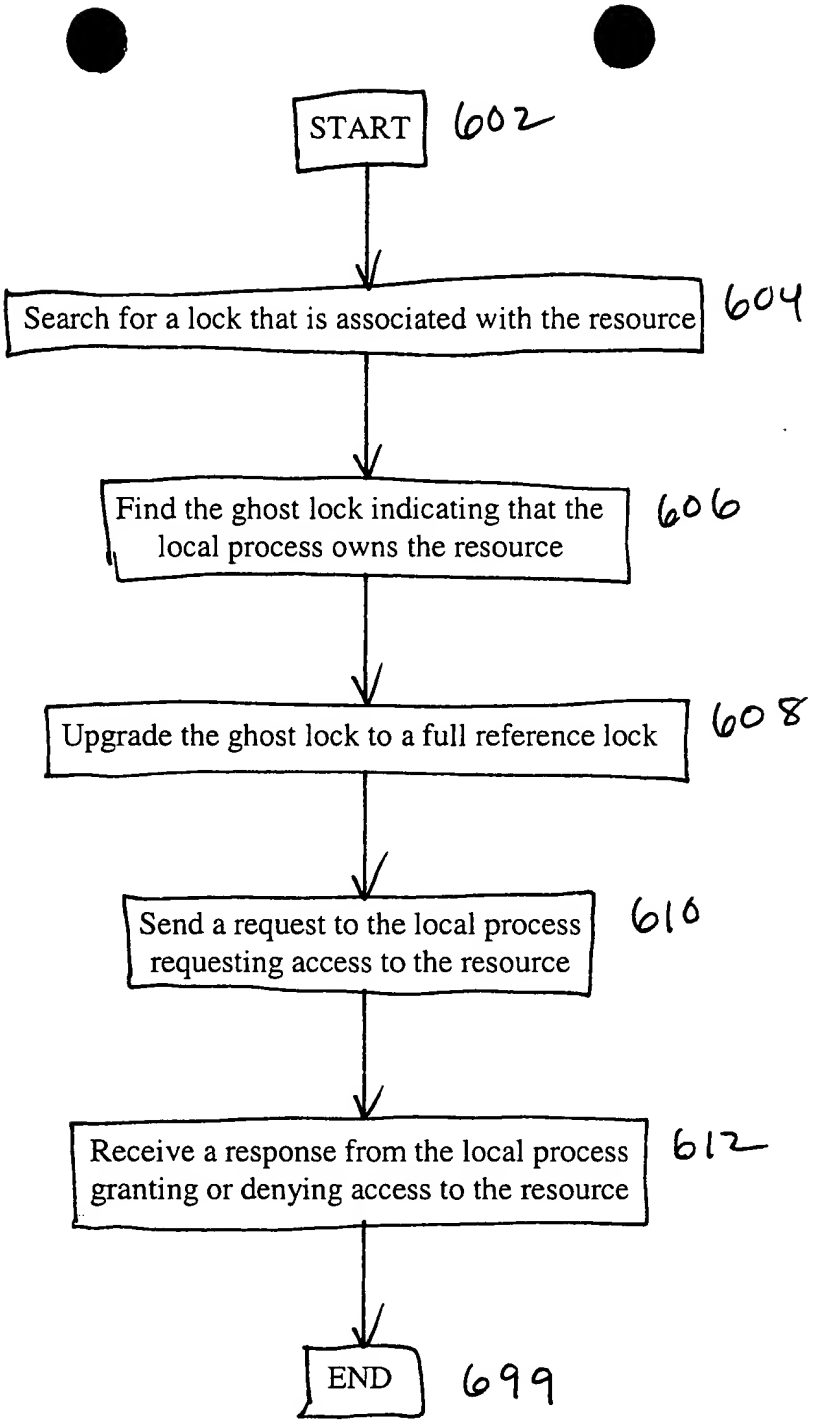

FIG. 6 (600) - UPGRADING A GHOST LOCK TO A REFERENCE LOCK

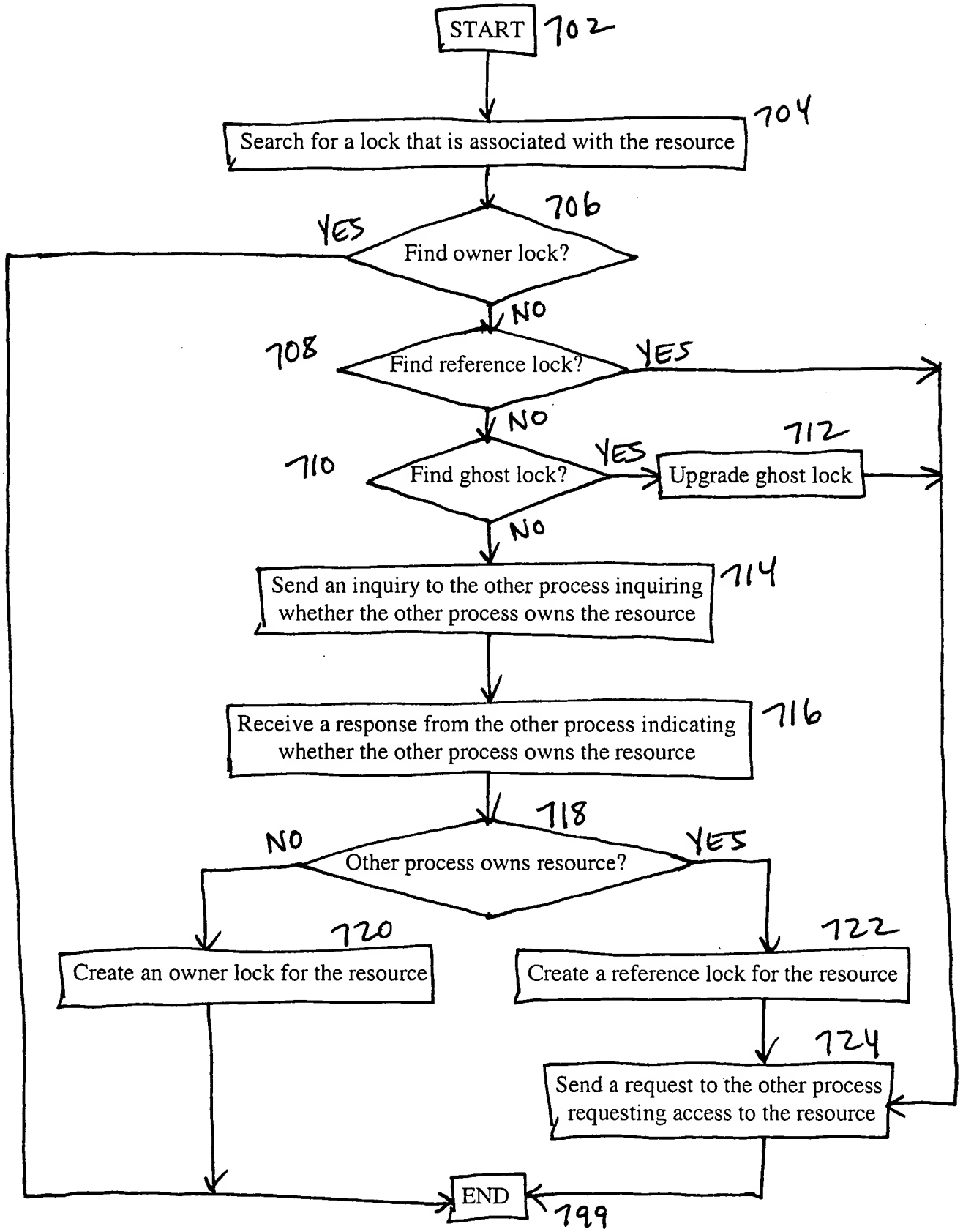

FIG. 7 (700) - ACCESSING A RESOURCE

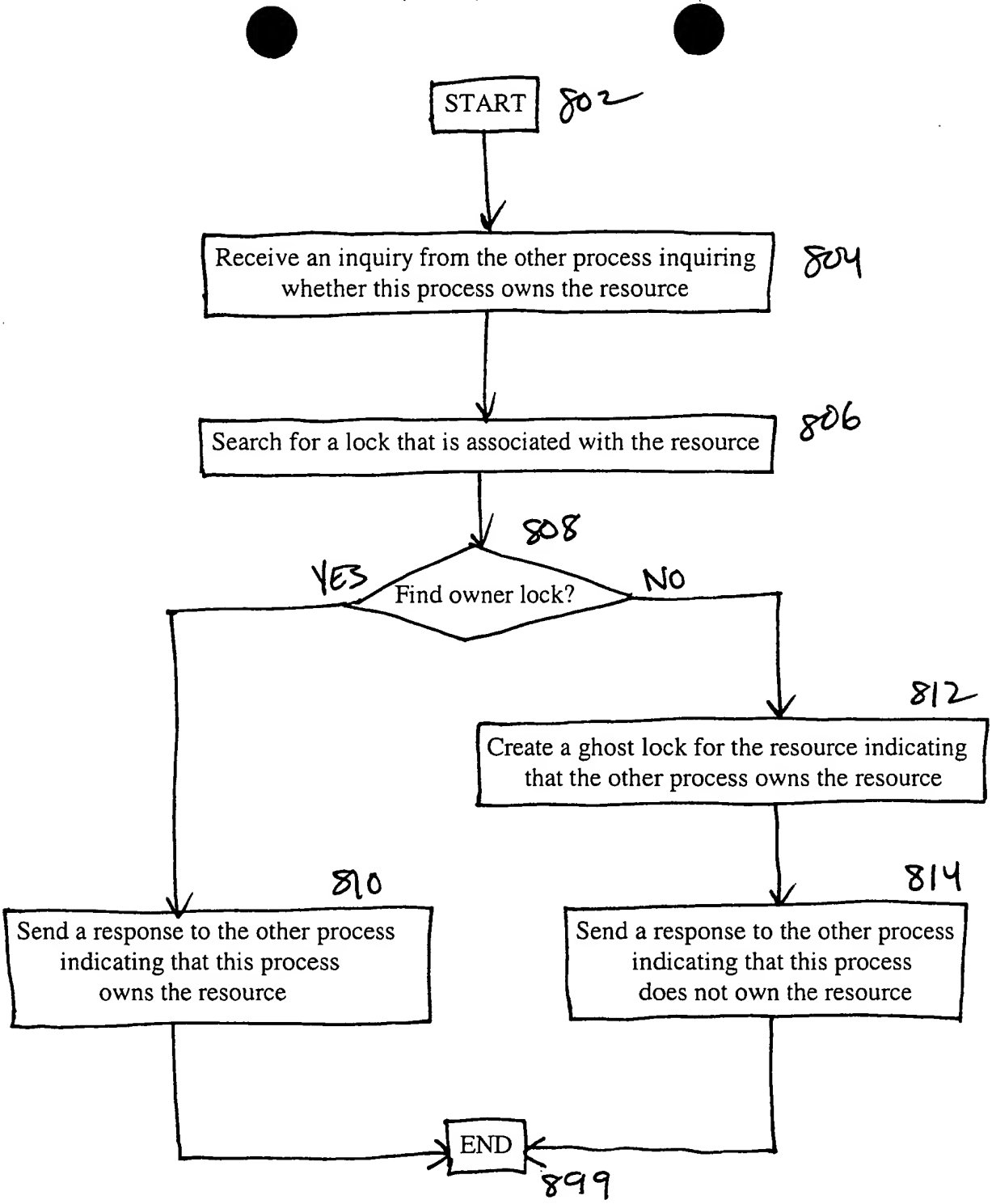

FIG. 8 (800) - PROCESSING AN INQUIRY

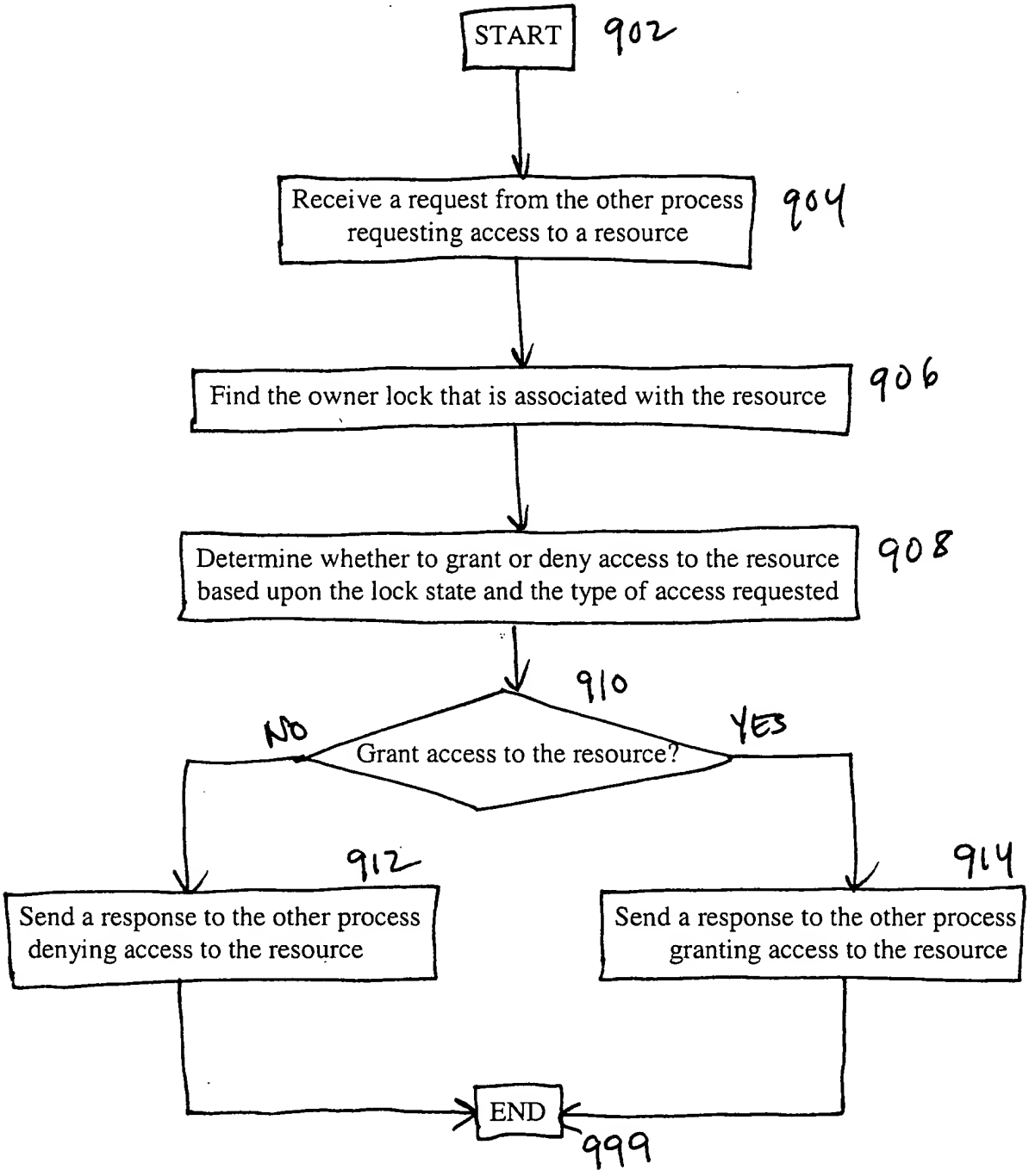

FIG. 9 (900) - PROCESSING A REQUEST

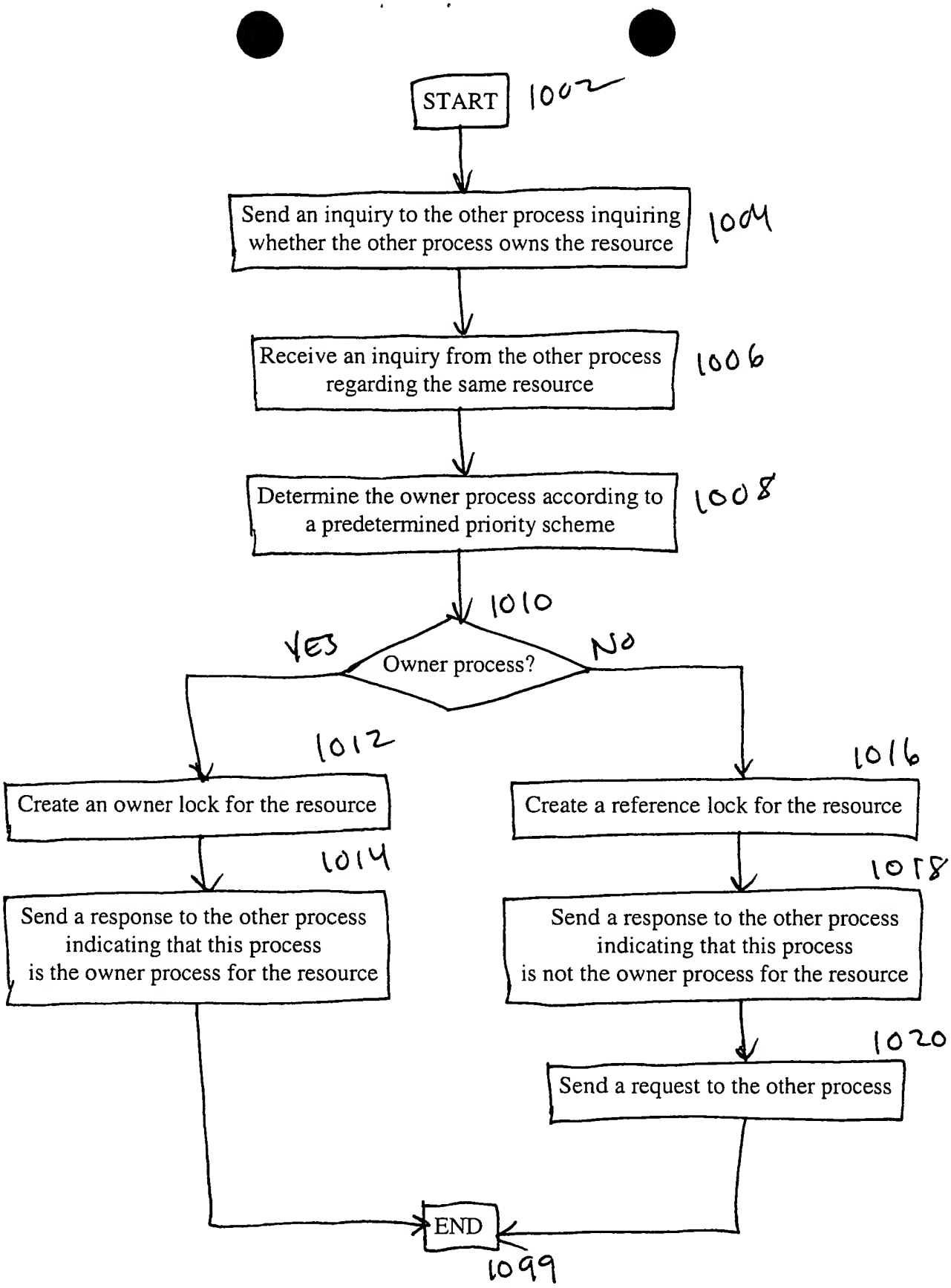

FIG. 10 (1000) - RESOLVING A COLLISION CONDITION

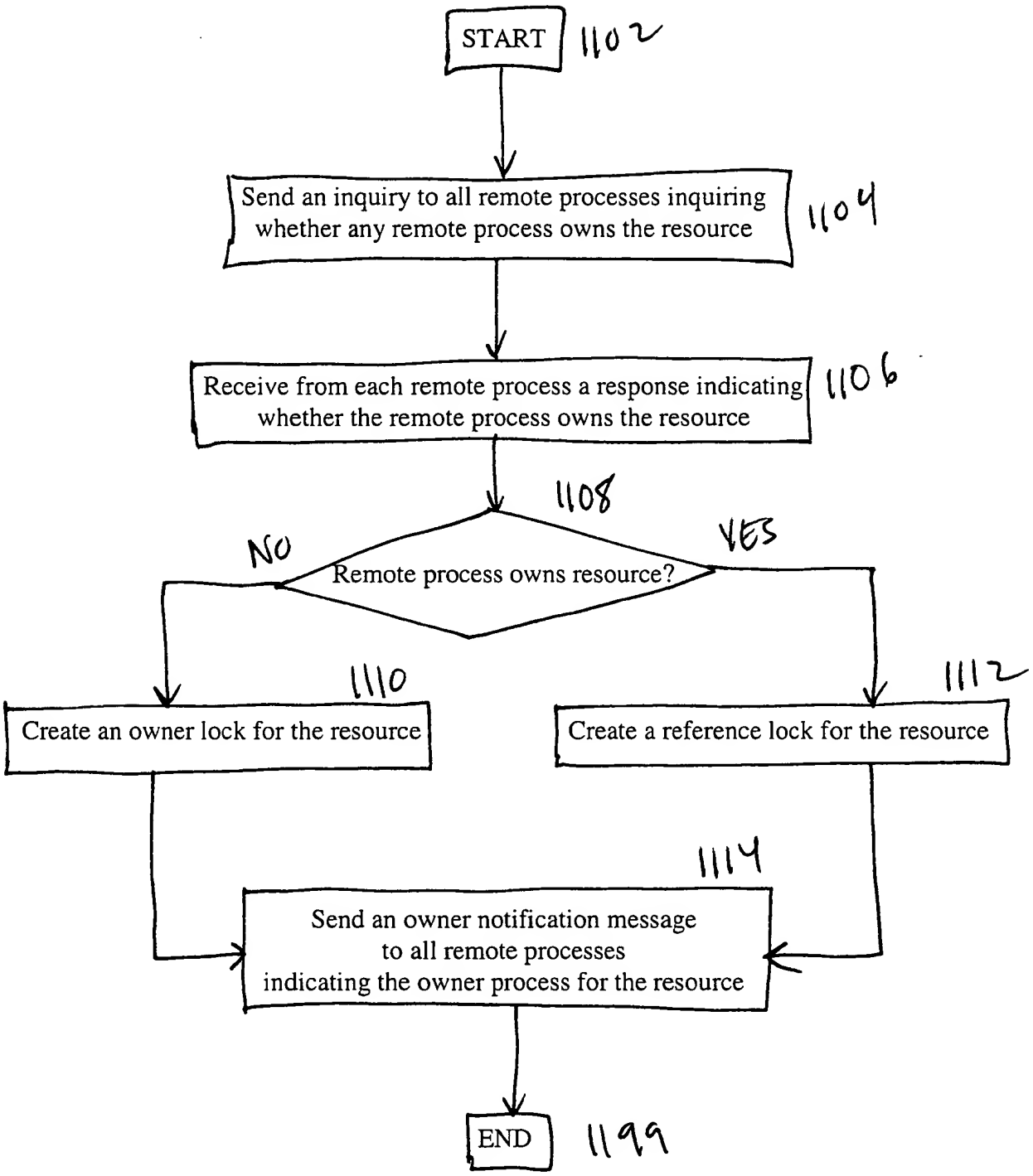

FIG. 11 (1100) - EXPLICIT NOTIFICATION MECHANISM TO DETERMINE OWNER

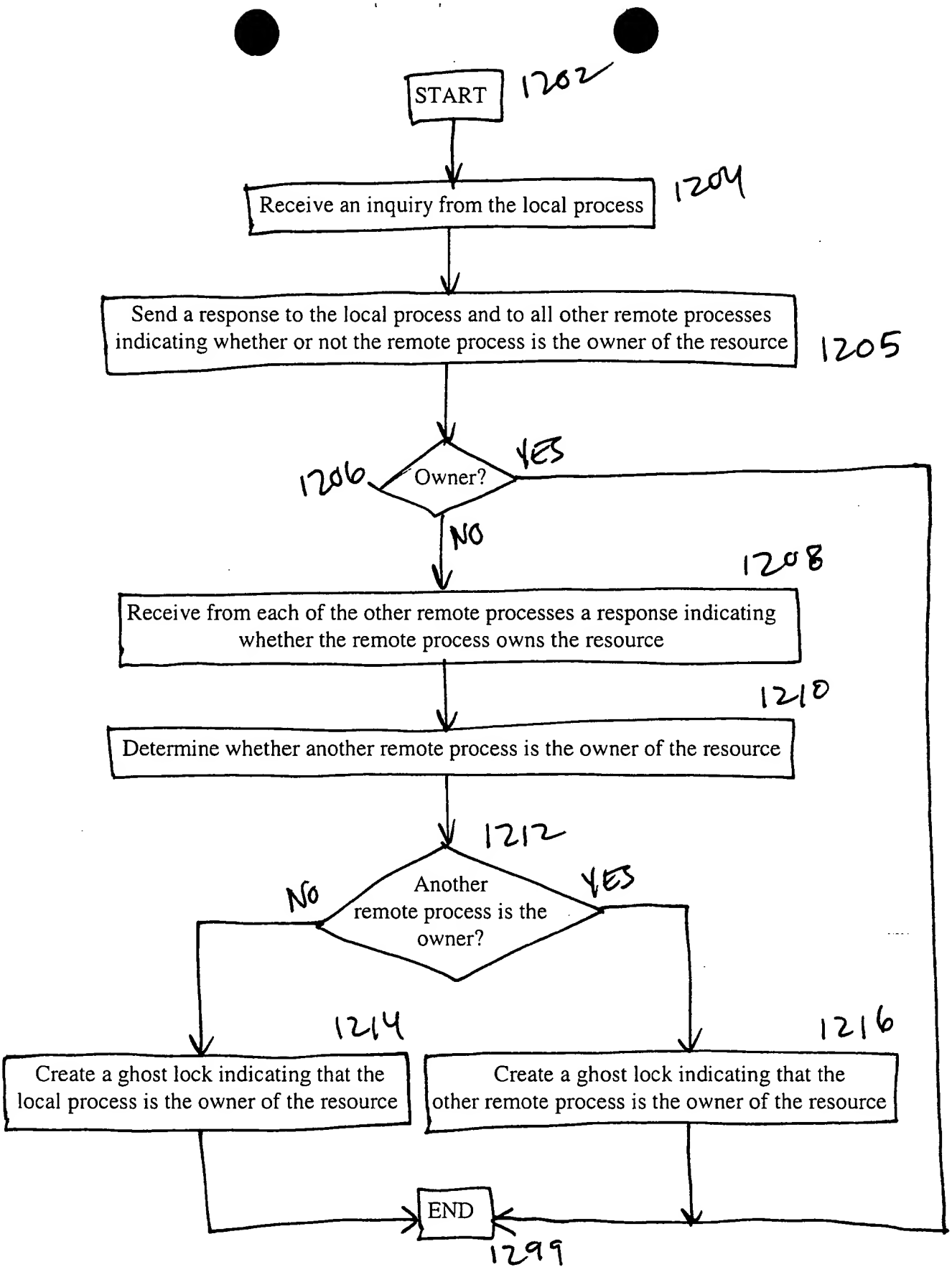

FIG. 12 (1200) - IMPLICIT MECHANISM TO DETERMINE OWNER

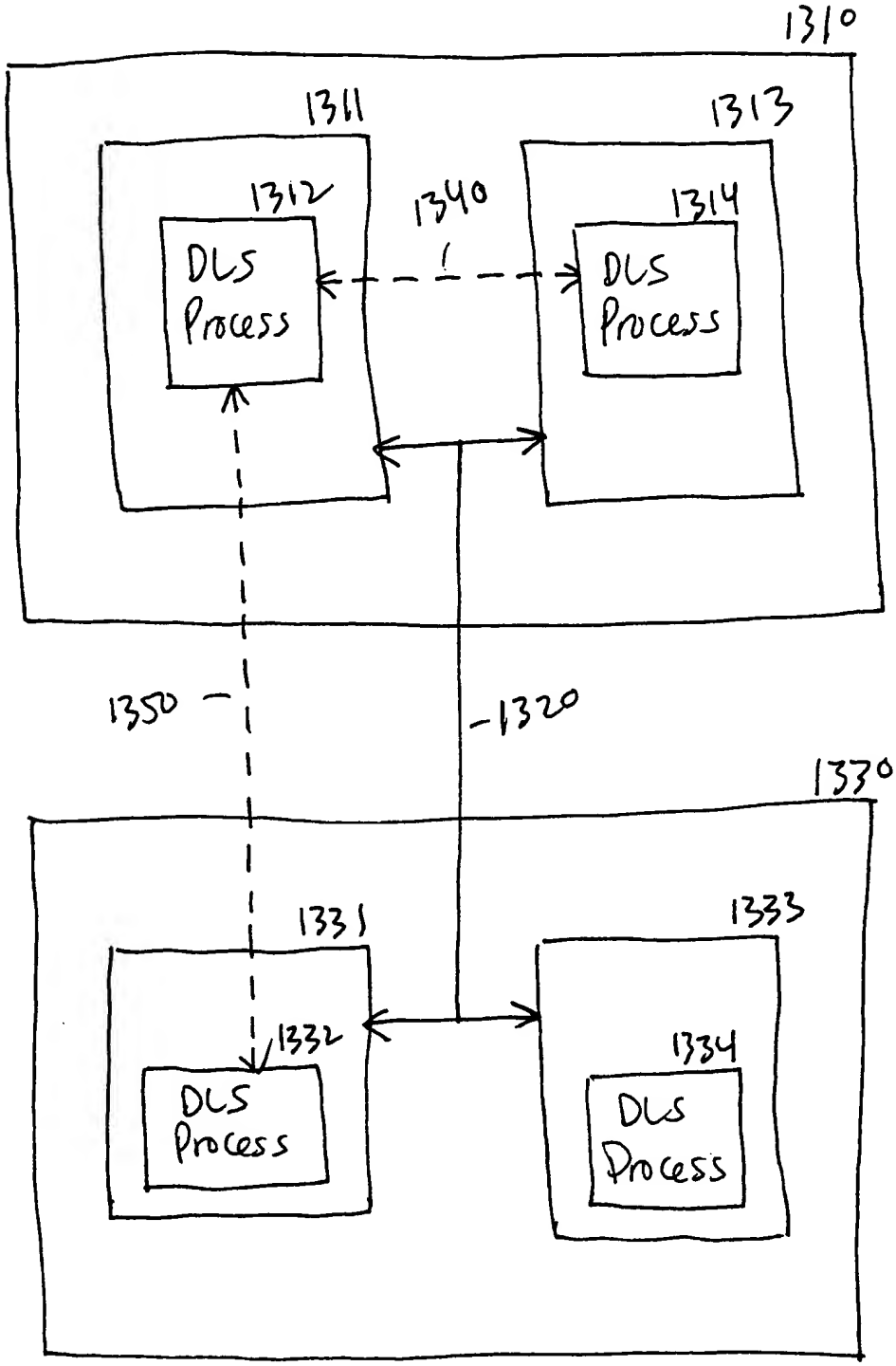
1310
1311
1313
1312
1340
1314
DLS Process
DLS Process
1350
1320
1330
1331
1333
1332
1334
DLS Process
DLS Process

FIG. 13 1300

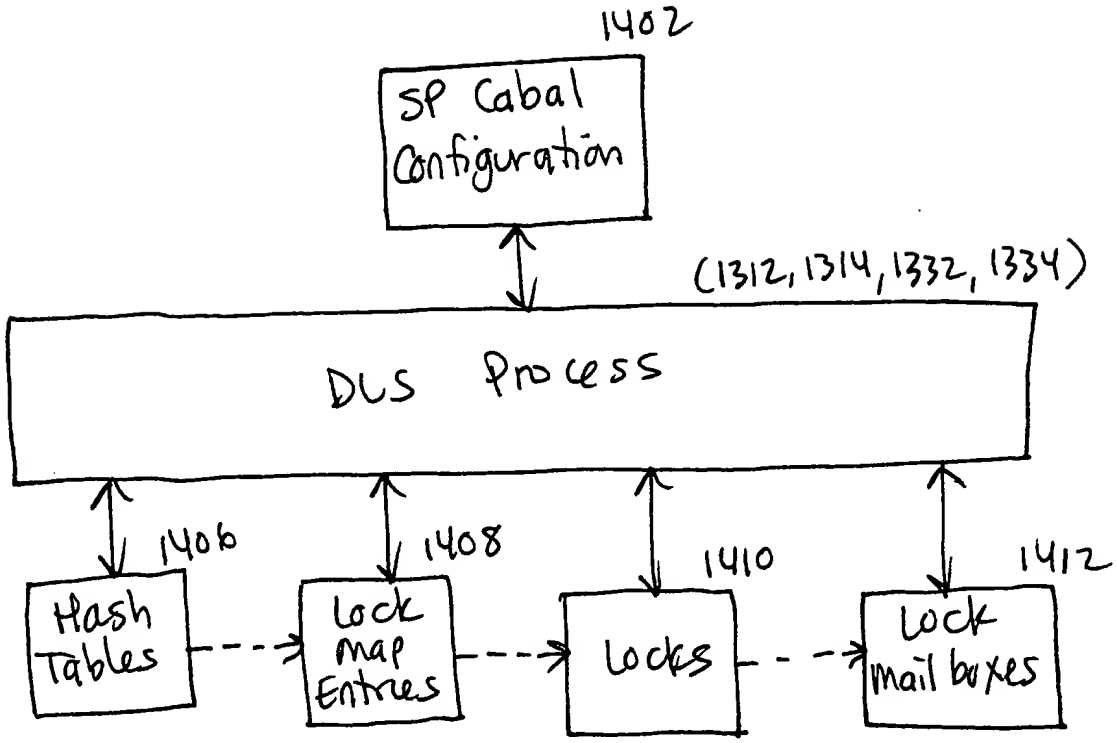
1402
SP Cabal Configuration
(1312, 1314, 1332, 1334)
DLS Process
1406
1408
1410
1412
Hash Tables
Lock map Entries
Locks
Lock mail boxes

FIG. 14

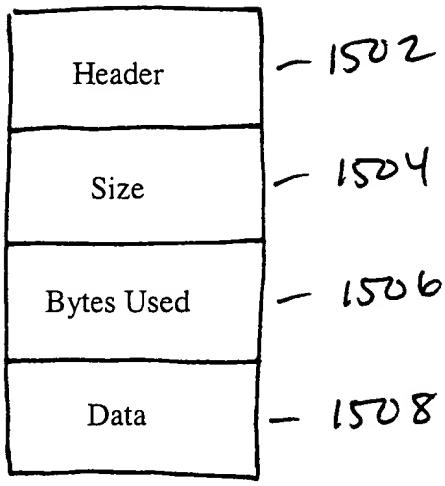

FIG. 15 (1500) - LOCK MAILBOX DATA STRUCTURE

DOCKET # 0050.0037.00

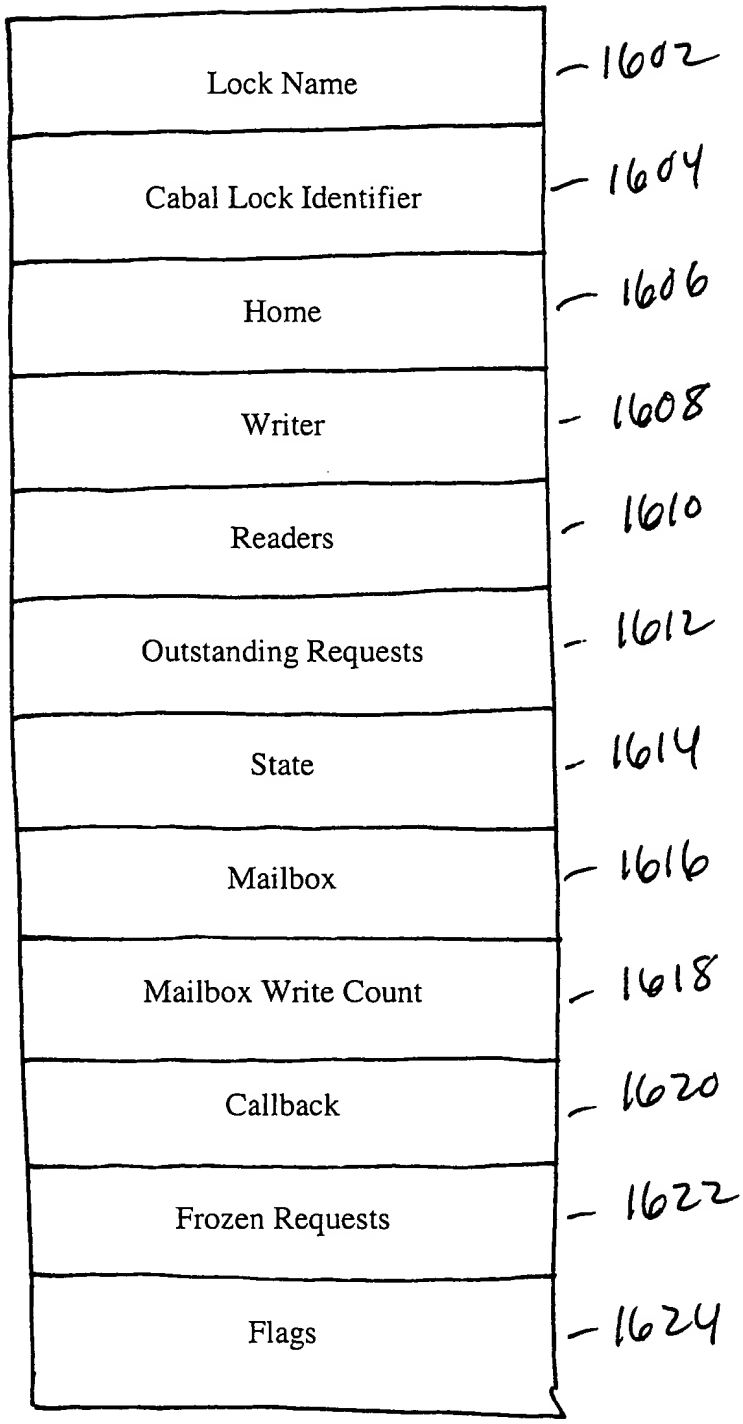

FIG. 16 (1600) - LOCK DATA STRUCTURE

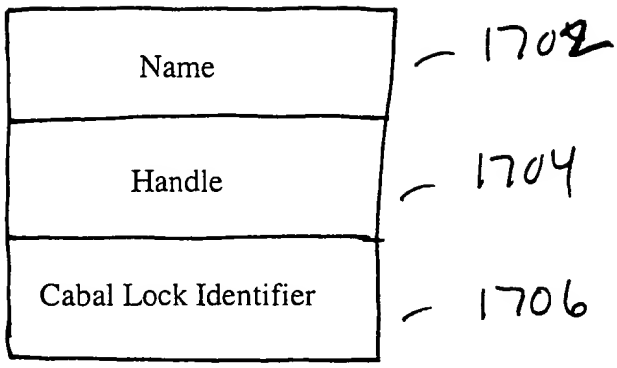

FIG. 17 (1700) - LOCK MAP ENTRY DATA STRUCTURE

DOCKET ALARM

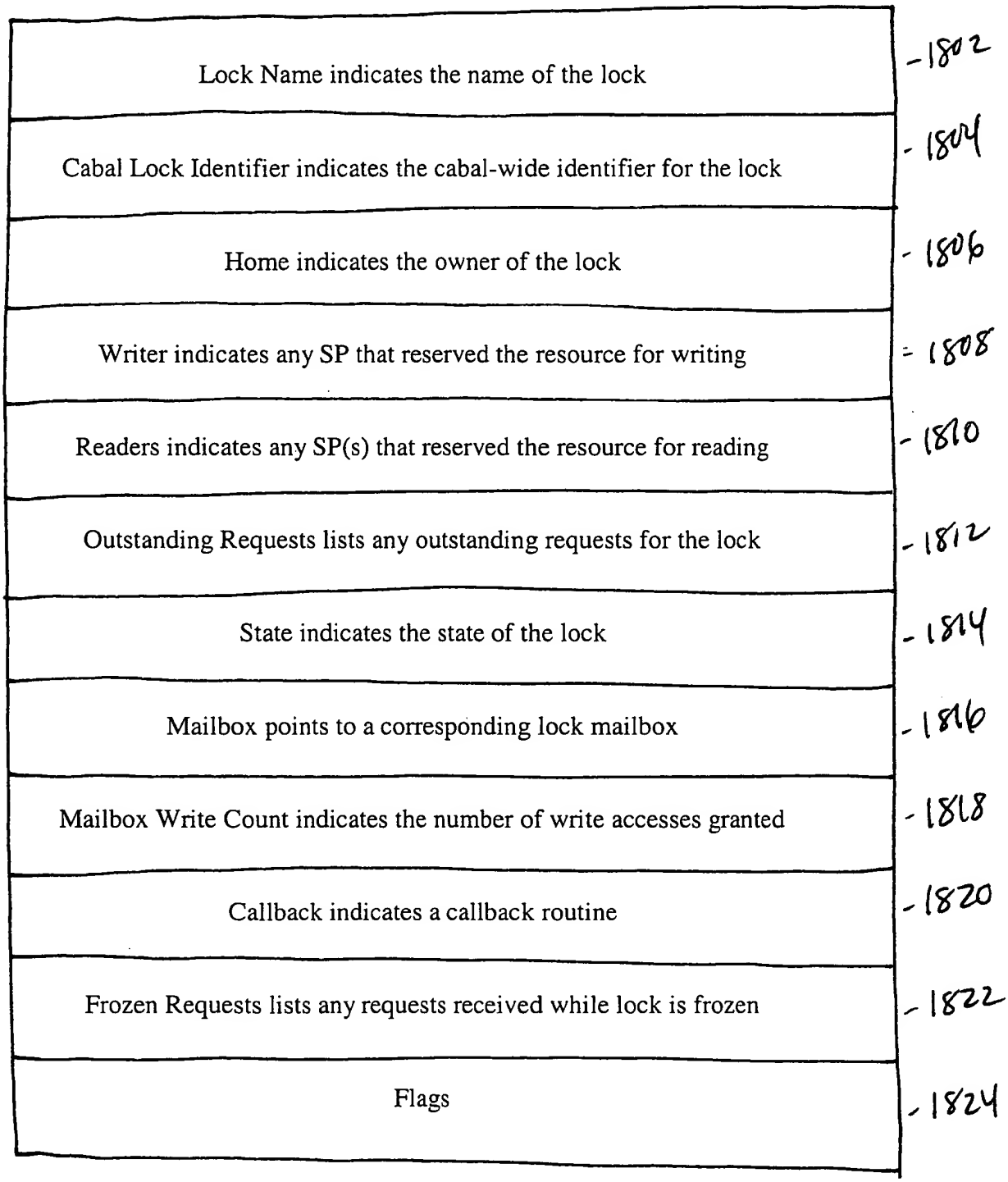

FIG. 18 (1800) - OWNER/REFERENCE LOCK

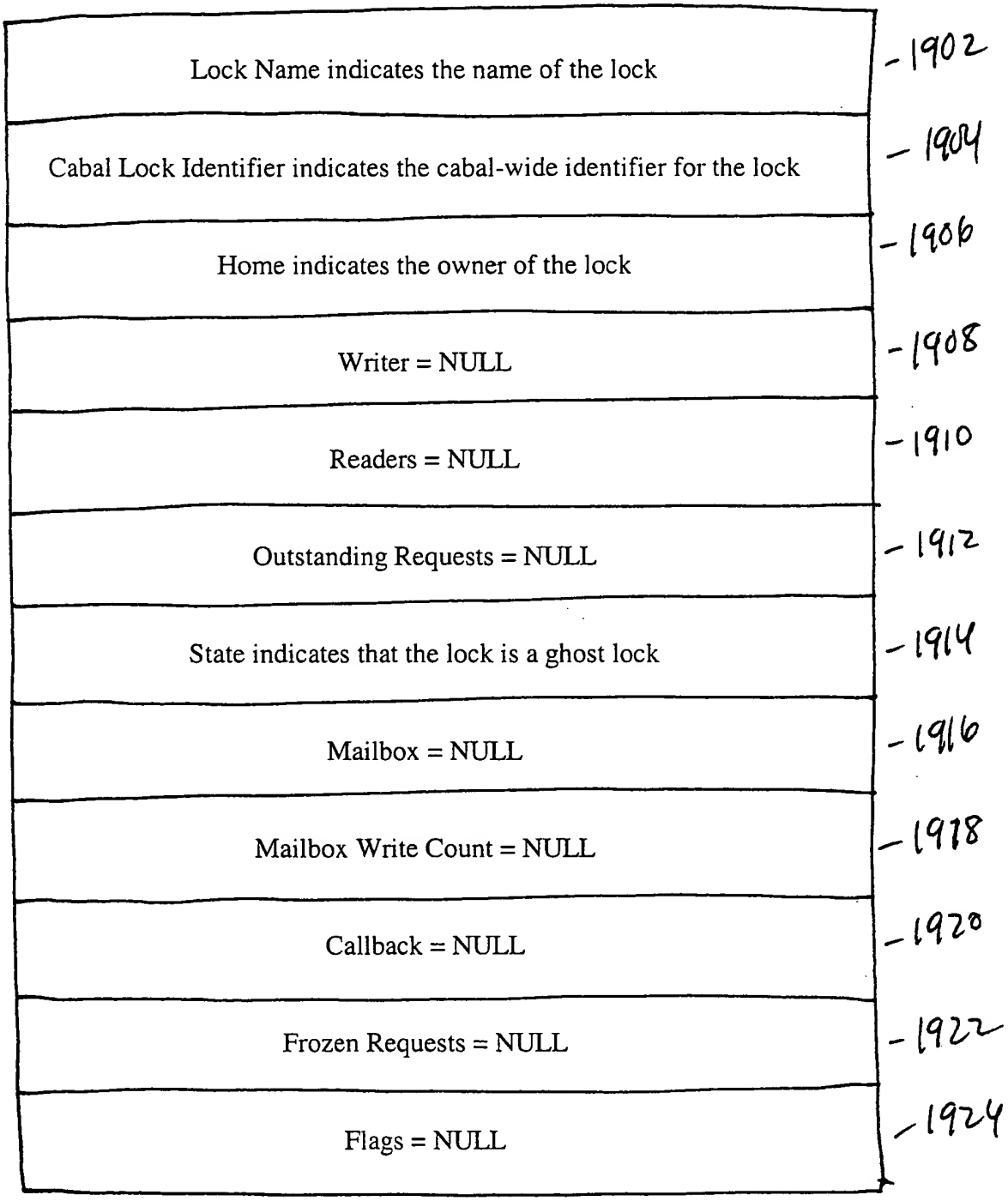

FIG. 19 (1900) - GHOST LOCK